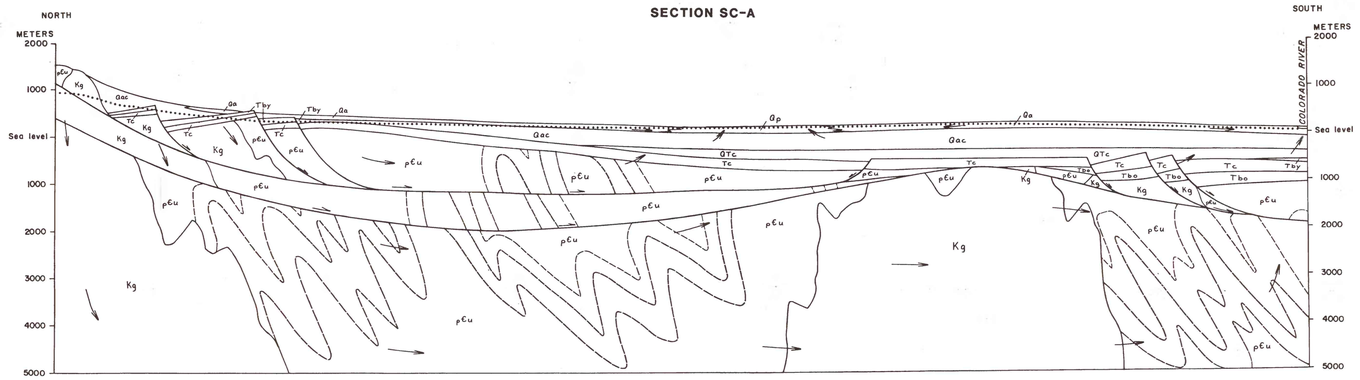
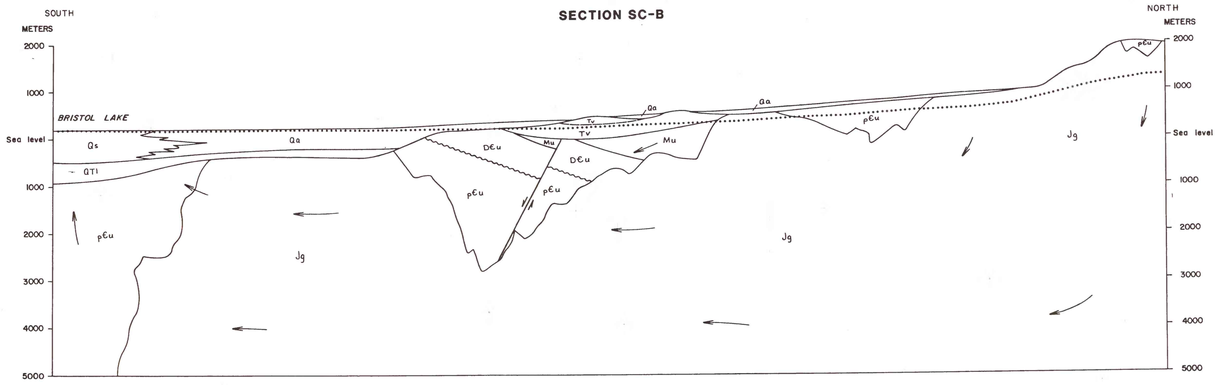
QUATERNARY	Qp	PLAYA DEPOSITS.--Very fine-grained sediments and evaporites
	Qa	ALLUVIUM
	Qac	ALLUVIUM AND COLLUVIUM.-- Coarse-grained fanglomerate occurs near mountain fronts
QUATERNARY AND TERTIARY	QTc	CONTINENTAL AND MINOR MARINE SEDIMENTS.-- Rich in bentonite, clay, shale, gravel, and sand
TERTIARY	Tby	YOUNGER BASALTIC AND ANDESITIC LAVAS.-- Highly jointed
	Tc	CONTINENTAL SEDIMENTS.-- Includes sandstone, siltstone, and conglomerate. Largely tuffaceous
	Tbo	OLDER BASALTIC AND ANDESITIC FLOWS
CRETACEOUS	Kg	CRYSTALLINE PLUTONIC ROCK
PRECAMBRIAN	pCu	METAMORPHIC ROCKS.-- Includes mica, schist, metaquartzite, and minor dolomite

SECTION SC-A



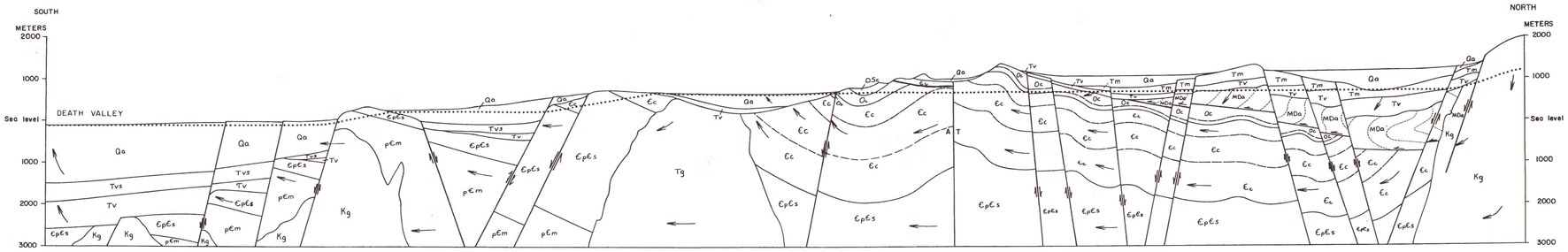
QUATERNARY	Qa	ALLUVIUM
	Qs	LAKE DEPOSITS.-- Fine-grained sediments, mainly clay, evaporites, and silt
QUATERNARY AND TERTIARY	QTl	LAKE DEPOSITS.-- Fine-grained sediments, mainly clay, evaporites, and silt
TERTIARY	Tv	VOLCANIC ROCKS.-- Includes basaltic lava and silicic ash-flow tuff, and minor tuffaceous sedimentary rocks
JURASSIC	Jg	CRYSTALLINE PLUTONIC ROCKS
MISSISSIPPIAN	Mu	LIMESTONE AND BASAL SANDSTONE
DEVONIAN AND CAMBRIAN	DCu	LIMESTONE AND DOLOMITE
PRECAMBRIAN	pCu	GRANITE, GRANODIORITE, AND DIORITE.-- Locally foliated, gneissic

SECTION SC-B



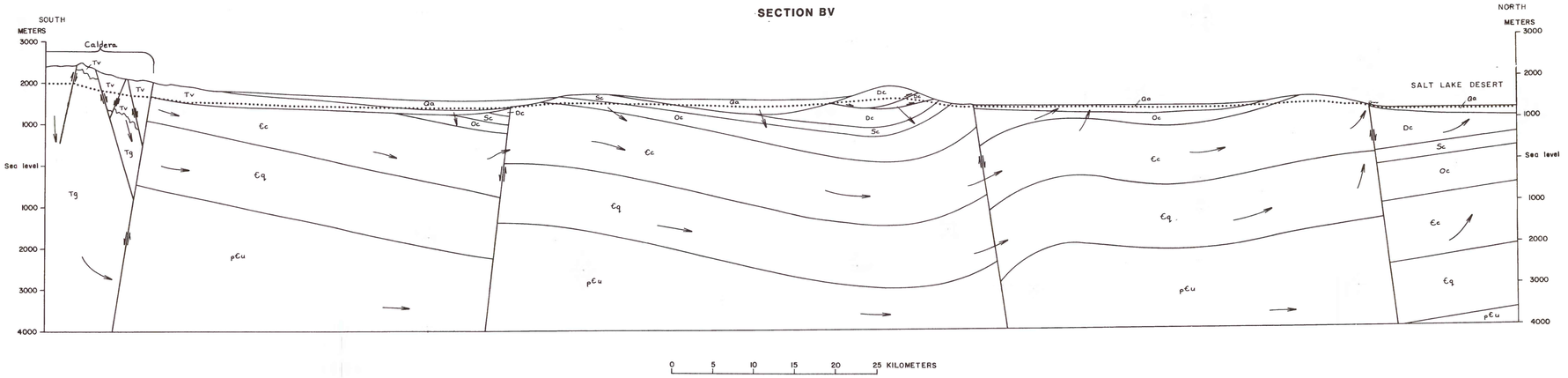
QUATERNARY	Qa	ALLUVIUM.-- Includes playa deposits and minor evaporites
TERTIARY	Tvs	TUFFACEOUS SEDIMENTARY ROCKS.-- Contains minor basalt and ash-flow tuffs. Locally contains clay beds
	Tm	VOLCANIC ROCKS.-- Primarily densely welded silicic ash-flow tuff
	Tv	VOLCANIC ROCKS.-- Includes bedded tuffaceous sedimentary rocks, silicic ash-flow tuff, lava, and breccia and air-fall tuff
	Tg	CRYSTALLINE PLUTONIC ROCK
CRETACEOUS	Kg	CRYSTALLINE PLUTONIC ROCK
MISSISSIPPIAN AND DEVONIAN	MDa	ARGILLITE, QUARTZITE, CONGLOMERATE, AND LIMESTONE
DEVONIAN AND SILURIAN	DSc	CARBONATE ROCKS.-- Mainly dolomite
ORDOVICIAN	Oc	CARBONATE ROCKS.-- Mainly limestone, upper half contains quartzite and dolomite
CAMBRIAN	€c	LIMESTONE AND DOLOMITE
CAMBRIAN AND PRECAMBRIAN	€pCs	ORTHOQUARTZITE, ARGILLITE, CONGLOMERATE, SHALE, SILTSTONE, AND SILTY LIMESTONE
PRECAMBRIAN	pCm	GNEISSIC AND SCHISTOSE ROCK

SECTION DV-A



QUATERNARY	Qa	ALLUVIUM
TERTIARY	Tg	CRYSTALLINE PLUTONIC ROCKS
	Tv	VOLCANIC ROCKS.-- Mainly silicic ash-flow tuff
DEVONIAN	Dc	LIMESTONE AND DOLOMITE
SILURIAN	Sc	LIMESTONE AND DOLOMITE
ORDOVICIAN	Oc	LIMESTONE AND DOLOMITE
CAMBRIAN	€c	LIMESTONE AND DOLOMITE
	€q	ORTHOQUARTZITE AND SHALE
PRECAMBRIAN	pCu	ORTHOQUARTZITE, ARGILLITE AND MINOR CARBONATE ROCKS

SECTION BV

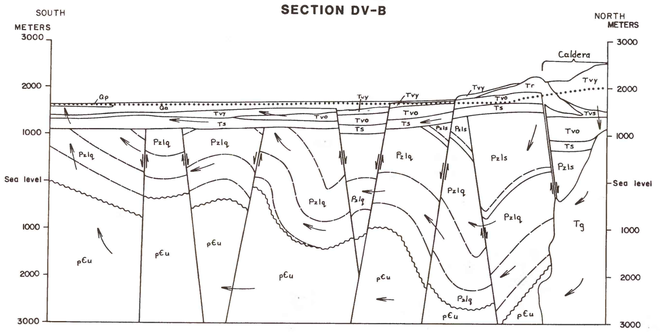


0 5 10 15 20 25 KILOMETERS

VERTICAL EXAGGERATION X5

QUATERNARY	Qp	PLAYA DEPOSITS.-- Very fine-grained, may contain minor evaporites
	Qa	ALLUVIUM
TERTIARY	Tvy	YOUNGER VOLCANIC ROCKS.-- Dominantly silicic ash-flow tuffs
	Tg	CRYSTALLINE PLUTONIC ROCKS
	Tr	RHYOLITIC LAVA FLOW.-- Extruded at caldera ring-fracture zone, highly jointed and fractured
	Tvs	VOLCANIC DEBRIS.-- Coarse-grained material shed from caldera wall and from rhyolitic lava after caldera collapse
	Tvo	OLDER VOLCANIC ROCKS.-- Dominantly silicic ash-flow tuff
	Ts	TUFFACEOUS SEDIMENTARY ROCKS.-- Mainly volcanic sandstone and siltstone, zeolitic
PALEOZOIC	Pzls	LOWER PALEOZOIC SILTSTONE, SANDSTONE, AND SHALE.--Contains minor limestone lenses
	Pzlq	LOWER PALEOZOIC ORTHOQUARTZITE, MICACEOUS SILTSTONE, AND PHYLLITE
PRECAMBRIAN	pCu	METAMORPHIC AND PLUTONIC CRYSTALLINE ROCKS.--Includes gneiss, schist, and gneissic quartz monzonite

SECTION DV-B



EXPLANATION

- CONTACT
- CONTACT WITHIN GEOLOGIC UNITS
- FAULT.--Arrows show relative direction of movement. T indicates movement toward. A indicates movement away
- UNCONFORMITY
- WATER TABLE
- DIRECTION OF GROUND-WATER FLOW
- SPRING

DIAGRAMMATIC SECTIONS OF HYDROGEOLOGIC ENVIRONMENTS IN THE BASIN AND RANGE PROVINCE